## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims**:

1(currently amended): A high strength steel sheet excellent in formability, chemical converted coating treatment and hot-dip galvanizing and resistant to delayed fracture, characterized in that: said steel sheet consists consisting essentially of, in mass,

0.03 to 0.20% C,

0.100 0.107 to 0.3% Si,

1.0 to 3.1% Mn,

0.001 to 0.06% P,

0.001 to 0.01% S,

0.0005 to 0.01% N,

0.2 to 1.2% Al,

and not more than 0.5% Mo,

one or two of 0.01 to 0.1% Ti and

0.005 to 0.05 Nb,

with the balance consisting of Fe and unavoidable impurities; the amounts of Si and Al in mass % and the target strength (TS) of said steel sheet satisfy the following expression (1); and the metallographic structure of said steel sheet contains ferrite and martensite without containing retained austenite and has a tensile strength of 980 MPa or more and a value of TS x E1 of 16,000 or more;

 $(0.0012 \times [target strength TS] - 0.29 - [Si])/2.45 < Al < 1.5 - 3 \times [Si] .... (1)$  where, [target strength TS] is the designed strength of said steel sheet in terms of MPa and

[Si] is the amount of Si in terms of mass %.

2 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 1, characterized by further consisting essentially of, in mass, 0.01 to 0.1% V.

3 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 1 or 2, characterized by: further consisting essentially of 0.0005 to 0.002 mass % B; and satisfying the following expression (2),

$$500 \times [B] + [Mn] + 0.2[Al] < 2.9 \dots (2)$$

where, [B] is the amount of B, [Mn] that of Mn, and [Al] that of Al, each in terms of mass %.

4 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 1 or 2, characterized by further consisting essentially of, in mass, one or both of 0.0005 to 0.005% Ca and 0.0005 to 0.005% REM.

Claim 5: (canceled).

6 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 1 or 2, characterized in that said steel sheet is a hot-rolled steel sheet or a cold-rolled steel sheet.

7 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 1 or 2, characterized in that hot-dip galvanizing treatment is applied to said steel sheet.

8 (withdrawn): A method for producing a high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 1, characterized in that said steel sheet is produced through the processes of: hot rolling at a finishing temperature of the Ar<sub>3</sub> transformation temperature or higher; coiling at 400°C to 550°C; successively applying ordinary pickling; thereafter primary cold rolling at a reduction

ratio of 30 to 70%; then recrystallization annealing in a continuous annealing process; and successively skin-pass rolling.

9 (withdrawn): A method for producing a high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 8, characterized in that, in said annealing process, said steel sheet is: heated to a temperature in the range from the Ac<sub>1</sub> transformation temperature to the Ac<sub>3</sub> transformation temperature +  $100^{\circ}$ C; retained for 30 sec. to 30 min.; and thereafter cooled to a temperature range of  $600^{\circ}$ C or lower at a cooling rate of not less than X °C/sec., X satisfying the following expression (3),  $X \ge (Ac_3 - 500)/10^a$  .... (3)

$$a = 0.6[C] + 1.4[Mn] + 3.7[Mo] - 0.87$$

where, X is a cooling rate in terms of °C/sec., Ac<sub>3</sub> is expressed in terms of °C, [C] is the amount of C, [Mn] that of Mn, and [Mo] that of Mo, each in terms of mass %.

10 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 3, characterized by further consisting essentially of, in mass, one or both of 0.0005 to 0.005% Ca and 0.0005 to 0.005% REM.

11 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 3, characterized in that said steel sheet is a hot-rolled steel sheet or a cold-rolled steel sheet.

12 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 4, characterized in that said steel sheet is a hot-rolled steel sheet or a cold-rolled steel sheet.

13 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 3, characterized in that hot-dip galvanizing treatment is applied to said steel sheet.

14 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 4, characterized in that hot-dip galvanizing treatment is applied to said steel sheet.

15 (previously presented): A high strength steel sheet excellent in formability, chemical converted treatment and hot-dip galvanizing according to claim 6, characterized in that hot-dip galvanizing treatment is applied to said steel sheet.